

NOTE:
BENTS ARE NUMBERED AS PER
THE ORIGINAL BRIDGE PLANS.

NOTE:
JACKING PLANS SHOWN OPPOSITE HAND
TO LAYOUT OF EXISTING PLANS.

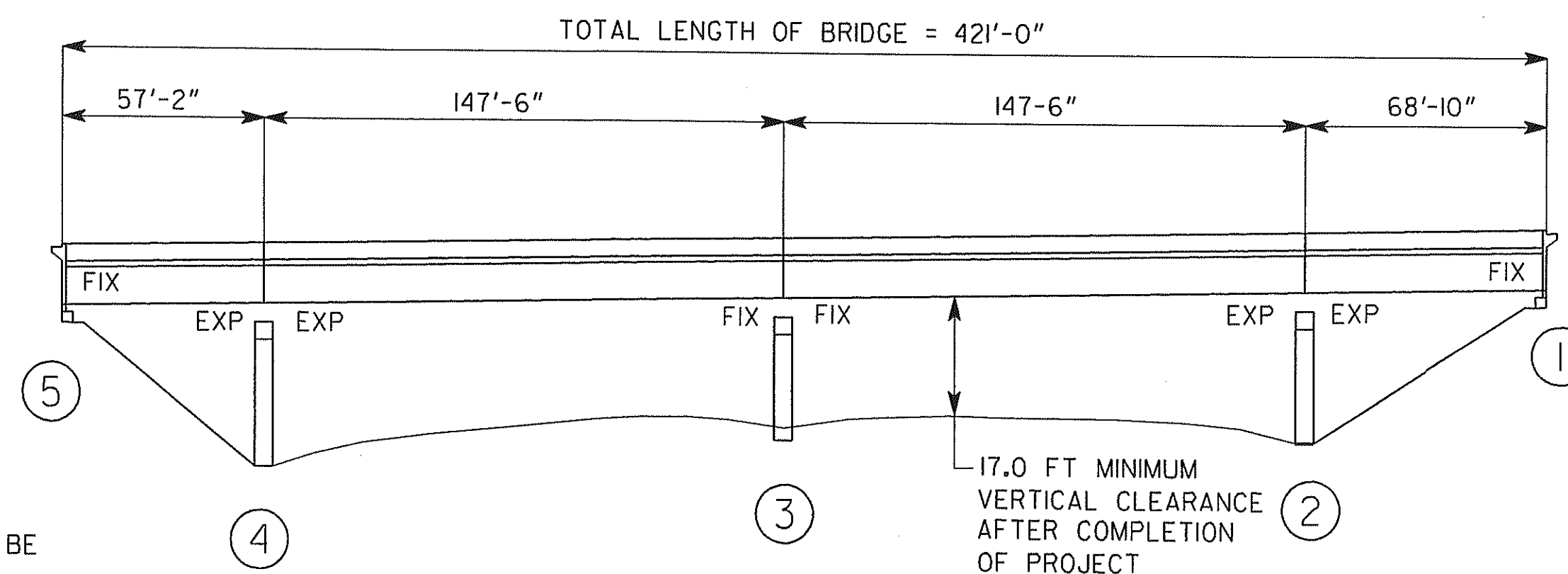
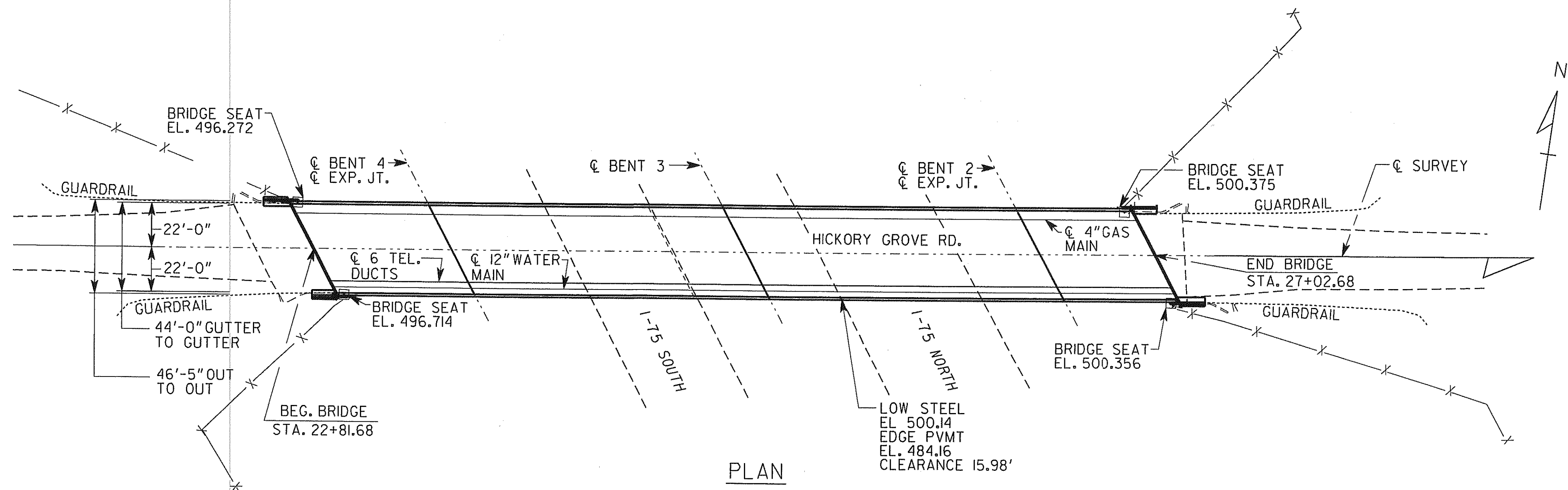
EXISTING GRADE DATA

SEE ORIGINAL BRIDGE PLANS

HICKORY GROVE ROAD TRAFFIC DATA

TRAFFIC..... ADT = 1560 (1998)

TRUCKS..... 4.9%



NOTE:
THE ENTIRE BRIDGE SHALL BE
RAISED THE SAME AMOUNT.

ELEVATION

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
449-1620	53	FT	LOW-DENSITY, CLOSED CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEAL, BR NO-2, ABUT NO-1
449-1620	53	FT	LOW-DENSITY, CLOSED CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEAL, BR NO-2, ABUT NO-5
449-1705	53	FT	ELASTOMERIC PROFILE BRIDGE JOINT SEALS BR NO-2, BENT NO-2
449-1705	53	FT	ELASTOMERIC PROFILE BRIDGE JOINT SEALS BR NO-2, BENT NO-4
504-0600	37	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONCRETE
518-1000	LUMP	LS	RAISE EXISTING BRIDGE, STA - 22+81.68

EXISTING BRIDGE CONSISTS OF

- 2 - PLATE GIRDER SIMPLE SPANS..... SPECIAL DESIGN
- 1 - COMPOSITE PLATE GIRDER TWO SPAN CONT. UNIT..... SPECIAL DESIGN
- 2 - CONCRETE END BENTS..... SPECIAL DESIGN
- 3 - CONCRETE INTERMEDIATE BENTS..... SPECIAL DESIGN
- ALUMINUM HANDRAILING..... GA. STD. NO. 3626(8-29-74)
- BAR BENDING DETAILS..... GA. STD. NO. 3901
- END POST AND END POST GUARDRAIL ATTACHMENT DETAIL..... GA. STD. NO. 3054

UTILITIES

- 12" WATER MAIN..... COBB COUNTY WATER AND SEWAGE SYSTEM
- 6 - TELEPHONE CONDUITS..... SOUTHERN BELL
- 4" GAS MAIN..... ATLANTA GAS LIGHT CO.

WORK CONSISTS OF

- 1. RAISE EXISTING BRIDGE APPROXIMATELY 12 1/4" AND PROVIDE PEDESTALS.
- 2. MODIFY ENDWALLS AS SHOWN
- 3. MODIFY APPROACH SLABS AS SHOWN (PAID FOR AS A ROADWAY ITEM).
- 4. RAISE THE TOP OF THE WINGWALLS.
- 5. REPLACE JOINT SEALS AT BENTS 1, 2, 4, AND 5. CLEAN AND RESEAL THE REMAINING JOINTS.

DESIGN DATA FOR DESIGN OF PEDESTALS

- SPECIFICATIONS..... AASHTO 1996
- (DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)
- TYPICAL MS-18 AND/OR MILITARY LOADING..... IMPACT ALLOWED
- FUTURE PAVING ALLOWANCE..... 15 PSF

CONSTRUCTION SEQUENCE

- 1. PLACE TEMPORARY BARRIER AT BRIDGE ENDS AS REQUIRED.
- 2. RAISE TOPS OF WINGWALLS AS SHOWN.
- 3. CUT APPROACH SLAB FULL DEPTH AT EDGE OF THE PAVEMENT REST AS SHOWN TO ENABLE JACKING OF BRIDGE.
- 4. IF PRESENT, REMOVE PORTION OF BREASTWALL BETWEEN EXTERIOR BEAM AND WINGWALL AS REQUIRED TO PROVIDE ACCESS TO BEARINGS AND ALLOW DRILLING FOR NEW ANCHOR BOLT HOLES.
- 5. JACK BRIDGE WITHOUT DISRUPTING TRAFFIC. PLACE ASPHALT AS REQUIRED AT ENDS OF BRIDGE WHILE JACKING TO PROVIDE A SMOOTH TRANSITION FROM PAVEMENT TO BRIDGE. AT NO TIME SHALL THERE BE MORE THAN A 2" HEIGHT DIFFERENCE BETWEEN THE BRIDGE DECK AND THE TOP OF ASPHALT OR BETWEEN ADJACENT SPANS AT THE JOINTS. AT THE END OF EACH DAY'S WORK, THE PAVEMENT SHALL BE FLUSH WITH THE BRIDGE DECK. PLACE ASPHALT LEVELING AND SURFACE COURSE TO LIMITS SHOWN ON ROADWAY PLANS UPON COMPLETION OF JACKING.
- 6. REMOVE AND REPLACE GUARDRAIL AS REQUIRED.
- 7. REDUCE TRAFFIC TO ONE LANE, PROVIDE FLAGGERS TO CONTROL TWO WAY TRAFFIC.
- 8. REMOVE PORTIONS OF THE ASPHALT AND APPROACH SLAB FULL DEPTH AS SHOWN WITHOUT CUTTING THE REINFORCEMENT.
- 9. REBUILD PORTIONS OF APPROACH SLABS AS SHOWN.
- 10. SHIFT TRAFFIC TO OPPOSITE SIDE AND REPEAT STEPS 8 AND 9.
- 11. RE-OPEN BRIDGE TO TWO LANES OF TRAFFIC.
- 12. SEE SPECIAL PROVISIONS - SECTION 150.11, SPECIAL CONDITIONS, FOR TIME LIMITATIONS FOR ITEMS 8 THROUGH 10. DETOURS FOR POURING SLABS ONLY FROM 9:P.M. (FRIDAY) THUR 5:A.M. (SUNDAY). LANE CLOSURES ON BRIDGE ALLOWED FROM 9:A.M TO 3:P.M AND 9:P.M. TO 5:A.M.
- 13. INSTALL JOINT SEALS. CLEAN AND RESEAL THE REMAINING JOINTS.

THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS, SEE ROADWAY PLANS. IN LIEU OF THE ABOVE SEQUENCE, THE CONTRACTOR MAY SUBMIT A PROPOSED SEQUENCE FOR APPROVAL.

EXISTING BRIDGE SERIAL NO. 067-0140-0

EXISTING BRIDGE I.D. NO. 067-04399X-001.72E

PROJECT P.I. NO. M001995

BRIDGE NO. 2

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

JACKING DETAILS

HICKORY GROVE ROAD OVER I-75

COBB CO.

NHS-M001-00(995)

SCALE: NONE

NOVEMBER 2003



BRIDGE SHEET
1 OF 3

DESIGNED RDB
DRAWN LWD

CHECKED RDB
DESIGN GROUP

REVIEWED RDB
APPROVED REL